

## **RISK ASSESSMENT GUIDANCE FOR SUPERFUND (165.6)**

### **4 DAYS**

This course provides participants with the fundamentals of human health and ecological risk assessment as applied to the Superfund cleanup process. This course is designed to present an overview of risk assessment to risk assessment reviewers and risk managers. The course is based on the following EPA documents: *Risk Assessment Guidance for Superfund: Volume I - Human Health Evaluation Manual (Parts A, B, C, and D)* and *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments*.

The risk assessment process is presented in three stages: baseline risk assessment, development of preliminary remediation goals, and evaluation of cleanup alternatives. In addition, the following topics are discussed: applicable statutes, regulations, and guidance; data collection and evaluation; exposure assessment; toxicity assessment; risk characterization; principles of ecological assessment; ecological risk assessment guidance for Superfund; and ecological assessment methods. Current technical and information resources will also be discussed.

Instructional methods include lectures, class discussions, and group exercises. In addition, a case study will be used throughout the course to demonstrate the practical applications of the risk assessment guidance.

After completing this course, participants will be able to:

- Identify the applicable statutes, regulations, and guidance pertinent to human health and ecological risk assessments under Superfund.
- Describe each of the four steps of the baseline risk assessment process.
- Identify and describe ecological assessment methods used to evaluate the effects of contaminants on the ecosystem.
- Perform a baseline risk assessment and an ecological assessment using EPA's risk assessment guidance documents.

*Note: Calculators are highly recommended.*

Continuing Education Units: 2.4

ABIH Certification Maintenance points: 3.5

### **Course Dates and Locations**

#### **2001**

October 2–5	Region 10	December 11–14	Region 3
October 23–26	Region 2		

## **Risk Assessment Guidance for Superfund (cont.)**

### **2002**

January 8–11	Region 6	June 3–6	Region 1
February 5–8	Region 9	June 18–21	Region 5
March 12–15	Region 8	June 25–28	Edison, New Jersey
April 16–19	Region 7	September 17–20	Region 4
April 30 – May 3	Cincinnati, Ohio		